

Actuator systems for hospital beds

Perfection in movement



Meet the healthcare challenges of tomorrow

LINAK® provides actuator systems ranging from adjustment of bed height and backrest, to the most advanced movements with multifunctional and intelligent features, providing valuable information about precise positions, loads, or performance status.

Partnership as a strong foundation

For LINAK, every customer relationship is built on a strong foundation of partnership. We strive to be close to our customers through our global presence, and we bring our 35 years of knowledge into every relationship and every project. This ensures that ongoing innovation keeps high focus on bringing all safety measures into our customers' hospital beds.

Innovation to stay ready for the future

We question the ordinary – from research and development to manufacturing and logistics. We are constantly looking into new technologies, identifying how they can bring value to our customers and their future hospital bed applications.

"Manufacturers of medical beds for the healthcare industry should never worry about quality, uptime, or overall performance of an application. Our job is to ensure this and allow the manufacturer to offer reliable and efficient beds without compromising user-comfort. Furthermore, the manufacturers are never left alone; we provide Sales Service from project start and throughout the entire life of the hospital bed".

Jørgen Sobol, Director Strategic Business Unit BEDS, LINAK

Evolve with LINAK movement solutions



KNOWLEDGE



GLOBAL
PRESENCE



INNOVATION



PARTNERSHIP



LEAN
WORLD-CLASS
PRODUCTION



SAFETY

Building on our core values and the strong foundation of partnership, we offer a broad product range that can evolve with you – regardless of your need or requirement.

LINAK - electric adjustment for any demand

The LINAK® product portfolio is extensive, making the number of system combinations almost endless. Whether you are introducing electric adjustment for the first time or you are updating your actuator system with OpenBus™ software, LINAK products are in full compliance with the required norms and standards in your market. This will make it easier for you to obtain the necessary medical approvals that your hospital bed needs.

Analogue actuator systems

LINAK provides complete basic analogue actuator systems, when you upgrade the manual system of your hospital bed to electric movement.

Digital systems with OpenBus™ options

Introducing LINAK OpenBus™ communication to your actuator system opens a whole new world of options – regarding control, performance, as well as safety.

Intelligent Care Solutions™

Increase the intelligence of your hospital bed by adding, for example, extra actuators to create advanced coordinated movement patterns, or by adding intelligent features such as a weighing system, Out Of Bed detection or WET detection.



Go to our website for more information about solutions for hospital beds

[LINAK.COM/HOSPITAL-BED-SYSTEMS](https://linak.com/hospital-bed-systems)



Products for hospital beds

Linear actuators



LA20

- Max thrust: 2,500 N
- Max speed: 8.9 mm/s
- Inline actuator



LA40

- Max thrust: 8,000 N
- Max speed: 16.0 mm/s
- Robust construction



LA34

- Max thrust: 10,000 N
- Max speed: 18.0 mm/s
- Max pull 4,000N



LA44

- Max thrust: 12,000 N
- Max speed: 14.0 mm/s
- Manual lowering

Batteries



BA19

- Lead acid
- 1.2 Ah/28.8 Wh
- IPX6 Washable



BA21

- Li-Ion battery
- Capacity: 2.25 Ah at 25 V
- IPX6 Washable DURA™



MJB8

- Modular Junction Box
- For intelligent features
- Gateway



MJB5

- Modular Junction Box
- SMPS for USB charging
- Gateway

Accessories

Column



BL1

- Max thrust: 2,000 N
- Max speed: 18.0 mm/s
- Short installation dimension and long stroke length

Control boxes



CO-series

- OpenBus™
- 4 channels
- 120W to 350 W Switch Mode Power Supply
- IPX6 Washable DURA™



CA-series

- 2-4 channels
- Analogue
- 120 W Switch Mode Power Supply
- IPX6 Washable DURA™



PJ2

- Add channels 5 & 6
- Functionality like control box
- IPX6 Washable DURA™



UBL2

- OpenBus™ version
- 3 LEDs powerful light
- Software-controlled light intensity



SCO

- Weighing solution
- Load cell read-out
- OpenBus™

IPX6 washable DURA™

To meet the increasing hygiene demands in hospitals LINAK provides complete washable systems. Because we test far more than norms and standards require, we have set our own high standard – IPX6 Washable DURA™. This means that your hospital bed application can withstand repetitive machine washing far beyond current market requirements.

Products for hospital beds

Hand Controls



HB70

- OpenBus™ or analogue
- Up to 10 buttons
- IPX6 Washable



HL70

- OpenBus™ or analogue
- Up to 10 buttons
- Lockable



HB80

- OpenBus™
- Up to 10-12 buttons
- Up to IPX6 Washable DURA™



HL80

- Analogue
- Up to 10 buttons
- Lockable per row

Panel Controls



ACT

- All-in-one control
- Intuitive user interface
- 9.5" touch screen



ACO

- OpenBus™
- Up to 20 buttons
- IPX6 Washable DURA™



ACOM

- OpenBus™
- Up to 13 buttons
- IPX6 Washable DURA™



ACC

- Modular Junction Box
- Up to 11 buttons
- Lockable

Foot Control



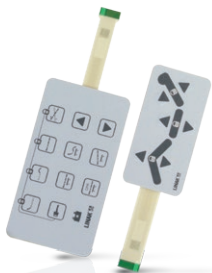
HD80

- OpenBus™
- Up to 12 buttons
- IPX6 Washable DURA™



FS3

- OpenBus™
- Available as a floor model or bed model
- Intuitive - easy to use
- Expandable modules



ACK

- OpenBus™
- Up to 11 buttons
- Lockable



FPP

- OpenBus™
- User-friendly
- Easy to install



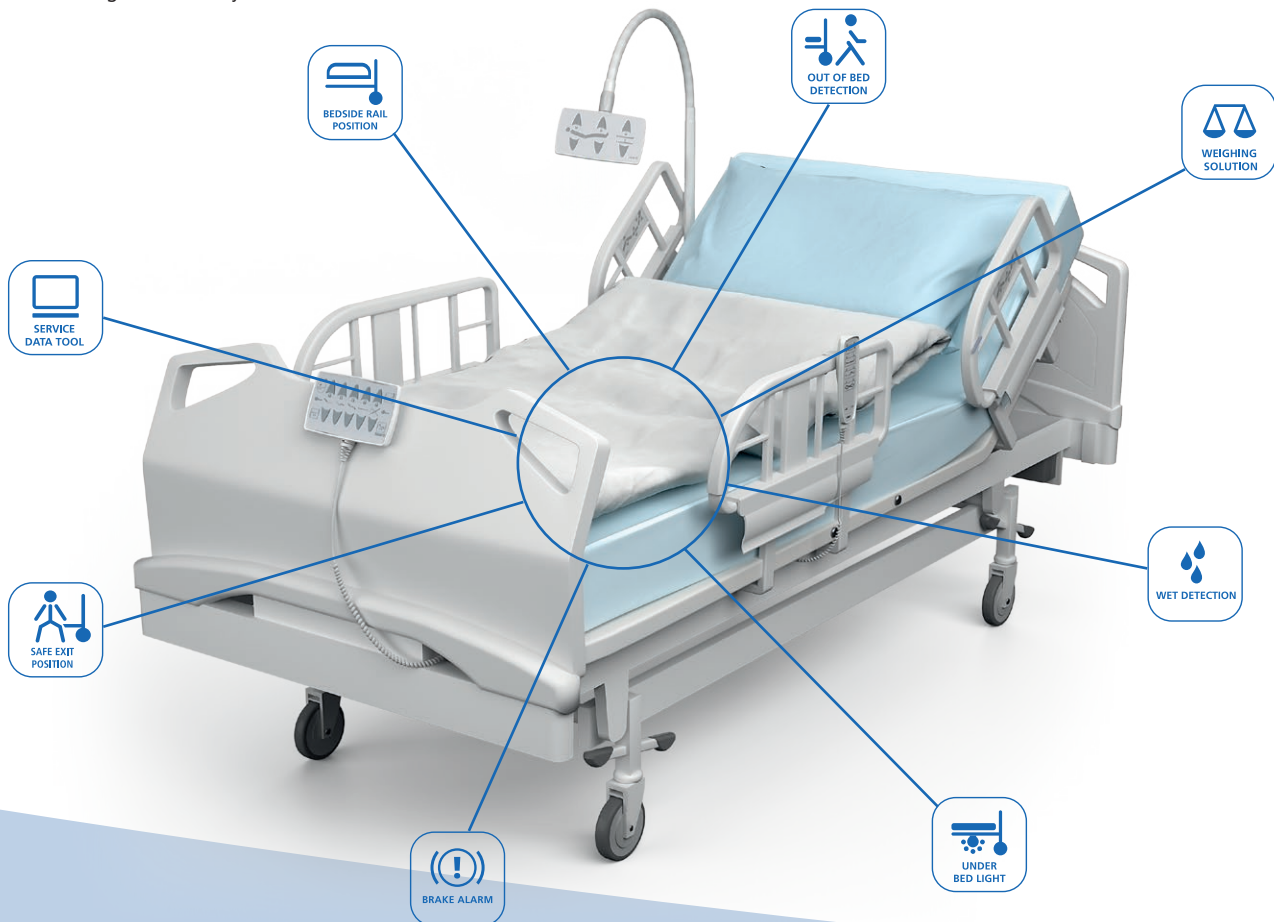
Go to our website for more information about our complete product range

LINAK.COM/PRODUCTS

Intelligent Care Solutions™

With the intelligent LINAK® OpenBus™ system you can add a long range of features to the actuator systems, such as advanced movement patterns, service data information and intelligent sensors, such as weighing solution, Out Of Bed detection, WET detection and more.

All to improve efficiency for healthcare professionals, comfort for patients, and general safety for both.



Safety in every LINAK product

To ensure many years of safe and reliable operation, all LINAK products undergo a series of thorough tests and risk assessments – also as complete systems. By meeting all international medical standards (e.g. IEC60601) and having high focus on risk management documentation, we help ease the medical approval process for our customers.

To ensure optimal safety and prevent dangerous situations for the users of hospital beds, we offer a wide range of safety features in our products. Examples of mechanical solutions are spline functions, quick release features, and safety nuts. Regarding electric solutions features include electronic overload protection, SMPS technologies, locking functions on handsets and much more.

TERMS OF USE

The user is responsible for determining the suitability of LINAK products for a specific application. LINAK takes great care in providing accurate and up-to-date information on its products. However, due to continuous development in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products. While LINAK uses its best efforts to fulfil orders, LINAK cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK.

All sales are subject to the Standard Terms of Sale and Delivery for LINAK. For a copy hereof, please contact LINAK.

LINAK has a world-class sales and service organisation.
Today we are present in 35 countries all over the world.
For further information, please visit our website: **LINAK.COM**